

11-6-03

SHEET 1 OF 1

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(PTO-1449)

ATTY. DOCKET NO.
57454-985

SERIAL NO.

APPLICANT
Tetsuya HAYASHI, et al.

FILING DATE
November 06, 2003

GROUP

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US			
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FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes - Number - Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation	
						Yes	No
MF		JP 2002-70872 (w/ English Abstract)	03/08/2002	NSK LTD.			
MF		JP 2000-97242 (w/ English Abstract)	04/04/2000	KOYO SEIKO CO., LTD.			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
MF		Metal Handbook, Edited by The Japan Institute of Metals, Published by Maruzen Co., Ltd., "Method of Surface Hardening Treatment of Steel, pages 550-552, Publication Date: March 31, 1990 (Partial English Translation).

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DATE CONSIDERED

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.



SHEET 1 OF 1

INFORMATION DISCLOSURE
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ATTY. DOCKET NO.
57454-985SERIAL NO.
10/701,452APPLICANT
Tetsuya HAYASHI, et al.FILING DATE
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3682

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EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code(s) (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US 2,978,282	4/4/1981	Walter Fisher	
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						Yes	No
✓	MP	DE 198 25 431 A	12/9/1999	SCHAEFFLER WAEZLAGER OHG	---	German w/English Abstract	
✓		FR 1 281 684 A	1/12/1982	IND SCHAEFFLER O. H. G.	---	French w/English Translation	
✓		DE 10 99 809 B	2/16/1981	DURKOPPWERKE AG	---	German w/English Translation	
✓		DE 919 977 C	11/8/1954	DURKOPPWERKE AG	---	German w/English Translation	
✓		JP 2002-070872	3/8/2002	NSK LTD	---	Japan w/English Abstract	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

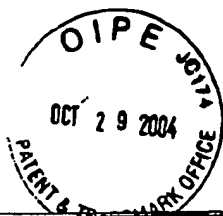
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

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**SUPPLEMENTAL INFORMATION
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(Supplemental PTO-1449)

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EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>MF</i> ↓		US 5,630,668	5-20-1997	Ikezawa et al.	
		US 2,591,160	4-1-1952	Kilian	
		US 4,225,200	9-30-1980	Dougall	
		US 5,848,846	12-15-1998	Sugiyama et al.	
		US 6,431,761 B1	8-13-2002	Yamaguchi et al.	
		US 5,064,298	11-12-1991	Hibi et al.	
		US 5,641,038	6-24-1997	Akamatsu	
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						Yes	No
<i>MF</i> ↓		DE 196 18 065 A1	11-13-1997	SCHAEFFLER WAEZLAGER KG		GERMAN (w/English Abstract)	
		DE 195 29 379 A1	5-15-1996	SCHAEFFLER WAEZLAGER KG		GERMAN (w/English Abstract)	
		GB 444,292	3-18-1936	HOFFMANN MANUFACTURING COMPANY LIMITED		X	
		EP 0 657 658 A1	12-8-1994	THE TIMKEN COMPANY		X	
		DE 41 30 227 A1	9-3-1992	NTN CORP			X
		JP 2002-195266	12-27-2000	NTN CORP		English Abstract	

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